

L Number	Hits	Search Text	DB	Time stamp
1	0	347/63-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT; EPO; JPO	2004/08/18 13:45
2	0	347/56-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT; EPO; JPO	2004/08/18 13:45
3	3	347/56-65.ccls. and 347/68-72.ccls. and (thermal near expansion)	USPAT; EPO; JPO	2004/08/18 13:46
4	0	347/56-65.ccls. and 347/68-72.ccls. and (high near coefficient)	USPAT; EPO; JPO	2004/08/18 13:47
5	126	347/\$.ccls. and piezoelectric and thermal and (high near coefficient)	USPAT; EPO; JPO	2004/08/18 14:09
6	13	(347/\$.ccls. and piezoelectric and thermal and (high near coefficient)) not silverbrook-\$.in.	USPAT; EPO; JPO	2004/08/18 13:47
7	5	347/\$.ccls. and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:12
8	0	(thermal near printhead\$1) and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:13
9	0	printhead\$1 and (high near coefficient near expansion)	USPAT; EPO; JPO	2004/08/18 14:13
10	1284	high near coefficient near expansion	USPAT; EPO; JPO; DERWENT	2004/08/18 14:14
11	51	(high near coefficient near expansion) and (347/\$.ccls. 216/\$.ccls. 29/\$.ccls.)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:36
12	1	jp404001051a	USPAT; EPO; JPO; DERWENT	2004/08/18 14:19
13	4	("4533082" "4605167" "4702418" "5487378").PN.	USPAT	2004/08/18 14:34
14	2	6543884.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:38
15	12	("4789425" "4864329" "4866461" "4894664" "5016024" "5198834" "5322594" "5463411" "5489930" "5638101" "5648806" "5710070").PN.	USPAT	2004/08/18 14:37
16	695	347/65.ccls. not silverbrook-\$.in.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:39
17	50	(347/65.ccls. not silverbrook-\$.in.) and (thermal near expansion)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:39
18	36	(347/65.ccls. not silverbrook-\$.in.) and (thermal near expansion near coefficient)	USPAT; EPO; JPO; DERWENT	2004/08/18 14:52
19	2	5877791.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:53
20	2	5989445.pn.	USPAT; EPO; JPO; DERWENT	2004/08/18 14:53
-	447	347/54	USPAT; EPO; JPO	2004/08/17 18:31
-	6	"4819009"	USPAT; EPO; JPO	2000/09/19 13:57
-	70055	electromag\$ and coil	USPAT; EPO; JPO	2000/09/20 17:06
-	375000	piston or plunger	USPAT; EPO; JPO	2000/09/20 17:07
-	9	(347/54) and (electromag\$ and coil) and (piston or plunger)	USPAT; EPO; JPO	2000/09/20 17:17
-	50	(347/\$.ccls.) and (electromag\$ and coil) and (piston or plunger)	USPAT; EPO; JPO	2000/09/20 17:17
-	1191	magnetostrictive adj (material or actuator)	USPAT; EPO; JPO	2000/09/22 12:43

-	145447	magnetic adj field	USPAT; EPO; JPO	2000/09/22 09:53
-	663	(magnetostrictive adj (material or actuator)) and (magnetic adj field)	USPAT; EPO; JPO	2000/09/22 14:49
-	5	347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field))	USPAT; EPO; JPO	2000/09/22 14:48
-	3	magnetostrictive adj (paddle or diaphragm)	USPAT; EPO; JPO	2000/09/22 14:47
-	108	terfenol-D	USPAT; EPO; JPO	2000/09/22 14:48
-	0	347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field)) and terfenol-D	USPAT; EPO; JPO	2000/09/22 14:49
-	60	(magnetostrictive adj (material or actuator)) and (magnetic adj field) and terfenol-D	USPAT; EPO; JPO	2000/09/22 15:30
-	39	motamedi-\$in.	USPAT; EPO; JPO	2000/09/22 15:30
-	10544	sma or (shape adj memory adj alloy)	USPAT; EPO; JPO	2000/09/25 15:00
-	489	martensitic adj phase	USPAT; EPO; JPO	2000/09/25 12:13
-	587	austenitic adj phase	USPAT; EPO; JPO	2000/09/25 12:14
-	1	((sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 12:14
-	101	(sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)	USPAT; EPO; JPO	2000/09/25 12:20
-	3925	sma or (shape adj memory adj alloy) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:00
-	65	(sma or (shape adj memory adj alloy)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:03
-	4	actuator and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:05
-	3	ejector and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:06
-	9	"0634273"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:42
-	3991177	ep "634273" a2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:43
-	10	"634273"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/21 16:43
-	4	"6557977"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/22 08:13
-	0	silverbrook-\$in. and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	108	silverbrook-\$in. and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	29	(silverbrook-\$in. and (nozzle near (guard\$3 protect\$3))) and 347/54.ccls.	USPAT; EPO; JPO	2004/08/02 18:31
-	159	(MEMS near (substrate\$1 nozzle\$1 chamber\$1))	USPAT; EPO; JPO	2004/08/17 18:40
-	22	((MEMS near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/02 18:33
-	11	("1941001" "3373437" "3416153" "3946398" "4346387" "4894664" "5812159" "5825385" "5880759" "6079821" "6312112").PN.	USPAT	2004/08/02 18:35
-	1	6247790.pn.	USPAT; EPO; JPO	2004/08/17 18:35

-	0	MEMS same substrate\$1 same CMOS same (fluid near channel\$1)	USPAT; EPO; JPO	2004/08/17 18:37
-	26	"MEMS" and (substrate\$1 same "CMOS") and (fluid near channel\$1)	USPAT; EPO; JPO	2004/08/17 18:37
-	1466	((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1))	USPAT; EPO; JPO	2004/08/17 18:41
-	33	((((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1)))) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/17 18:49
-	1	5989445.pn.	USPAT; EPO; JPO	2004/08/17 18:52
-	6	("3921916" "4455192" "5308442" "5385635" "5585827" "5588597").PN.	USPAT	2004/08/17 18:52
-	714	347/65.ccls.	USPAT; EPO; JPO	2004/08/17 18:53
-	27	347/65.ccls. and "MEMS"	USPAT; EPO; JPO	2004/08/17 18:58
-	1	5828394.pn.	USPAT; EPO; JPO	2004/08/18 08:41
-	1	6712986.pn.	USPAT; EPO; JPO	2004/08/18 08:14
-	1	5828394.pn. and (paper medium sheet)	USPAT; EPO; JPO	2004/08/18 10:26
-	3871	347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))	USPAT; EPO; JPO	2004/08/18 10:27
-	3694	(347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$in.	USPAT; EPO; JPO	2004/08/18 10:28
-	420	((347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$in.) and (conductive resistive) and (high with coefficient expansion)	USPAT; EPO; JPO	2004/08/18 11:29
-	6	((((347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1 actuator\$1))) not silverbrook-\$in.) and (conductive resistive) and (high with coefficient expansion)) and serpentine	USPAT; EPO; JPO	2004/08/18 11:30
-	18	347/63-65.ccls. and kodak	USPAT; EPO; JPO	2004/08/18 11:21
-	28	347/63-65.ccls. and 347/68-72.ccls.	USPAT; EPO; JPO	2004/08/18 13:44
-	1	(347/63-65.ccls. and 347/68-72.ccls.) and (thermal with actuator\$1)	USPAT; EPO; JPO	2004/08/18 11:28
-	295	347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)	USPAT; EPO; JPO	2004/08/18 11:29
-	196	(347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion)	USPAT; EPO; JPO	2004/08/18 11:29
-	1	((((347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion)) and serpentine) not silverbrook-\$in.	USPAT; EPO; JPO	2004/08/18 11:30
-	48	((347/\$.ccls. and (thermal with actuator\$1) and piezoelectric and (thermal bubble heat\$3)) and (conductive resistive) and (high with coefficient expansion)) and serpentine	USPAT; EPO; JPO	2004/08/18 11:30